

# Animal Physiology

This research activity is devoted to the improvement of knowledge on ruminant physiology, and to the elucidation of physio-pathological function of proteins acting as extracellular chaperones. These studies are realized with multidisciplinary approaches based on methods from molecular physiology, cell biology and biochemistry.

Main goals:

- Characterization of the Redox and inflammatory status in animals
- Physiological response of animals to climatic, nutritional, environmental factors
- Biomarkers of animal welfare, energetic status and/or fat accumulation
- Structural and functional characterization of the acute phase protein Haptoglobin in physiological and pathological conditions
- Endocrine regulation of fat deposition in growing animals

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